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# Summary Highlight Tables of Occupational and Industrial Employment Projections, 1988 to 2000: Northern Region, 1992

Maine Department of Labor

Maine Bureau of Employment Security

Maine Division of Economic Analysis and Research

Maine Labor Market Information Services

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Technical Services Monograph JIS-47

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Division of Economic Analysis and Research

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SUMMARY HIGHLIGHT TABLES  
OF OCCUPATIONAL AND  
INDUSTRIAL EMPLOYMENT  
PROJECTIONS, 1988 TO 2000  
NORTHERN REGION



### NORTHERN REGION

An aggregate of the  
following counties:

Aroostook  
Washington

Labor Market Information Services



FEB 18 1991  
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## PREFACE

*This technical services monograph presents highlights of the occupational employment projections from 1988 to the year 2000 in tabular form for Maine's Northern Region, which is Aroostook and Washington counties combined. No narrative accompanies these tables. This monograph provides a quick handy reference to such basic questions as: What occupations are expected to show the largest growth between the years 1988 and 2000, or what occupations had the greatest number of employees in 1988. Employment estimates in this monograph are not rounded. However, this is not meant to imply a degree of accuracy to the last digit, as these are statistical estimates and not precise counts.*

*Technical Services Monograph JIS-40 has already been published which presents summary highlight tables of occupational and industrial employment projections for Maine, statewide, and the United States for this same time period, 1988 to 2000.*

*Any questions or comments regarding the contents of this document may be directed to Wendy L. Nelson, OES Program Manager at (207) 289-2271.*

*Raynold A. Fongemie, Director*

**DIVISION OF ECONOMIC ANALYSIS AND RESEARCH**

*February 1992*

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A Technical Services Monograph of the Field Services Branch  
Rosalind Morse, Deputy Division Director

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## TABLE OF CONTENTS

TABLE NUMBER	TITLE	PAGE
1	TOTAL EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY, BASE YEAR 1988 AND PROJECTED YEAR 2000.....	1
2	OCCUPATIONS WITH THE GREATEST NUMBER OF EMPLOYEES, 1988....	2
3	OCCUPATIONS WITH THE GREATEST NUMBER OF ANNUAL OPENINGS EXPECTED BETWEEN 1988 AND 2000.....	4
4	OCCUPATIONS WITH THE LARGEST AMOUNT OF GROWTH (REFLECTING THE GREATEST NUMBER OF NEW JOBS), 1988-2000....	6
5	FASTEST GROWING OCCUPATIONS, 1988-2000.....	8
6	OCCUPATIONS WHICH ARE LOSING THE MOST JOBS, 1988-2000.....	10
7	FASTEST DECLINING OCCUPATIONS, 1988-2000.....	11
8	TOTAL EMPLOYMENT BY MAJOR INDUSTRY LEVEL, BASE YEAR 1988 AND PROJECTED YEAR 2000.....	12
9	INDUSTRIES WITH THE GREATEST NUMBER OF NEW JOB EXPECTED BETWEEN 1988-2000.....	13
10	FASTEST GROWING INDUSTRIES, 1988-2000.....	14
11	INDUSTRIES WHICH ARE LOSING THE MOST JOBS, 1988-2000.....	15
12	MOST RAPIDLY DECLINING INDUSTRIES, 1988-2000.....	16

194h







Table 1

NORTHERN REGION  
Aroostook and Washington Counties

TOTAL EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY  
BASE YEAR 1988 AND PROJECTED YEAR 2000

Occupational Category	Employment		Numerical Change	Percent Change
	1988	2000		
Total All Occupations.....	48,061	55,420	7,359	15.3
Managerial and Administrative Occupations.....	3,133	3,738	605	19.3
Professional, Paraprofessional, and Technical Occupations.....	7,994	9,669	1,675	21.0
Sales and Related Occupations.....	4,045	4,902	857	21.2
Clerical and Administrative Support Occupations.....	6,131	6,951	820	13.4
Service Occupations.....	7,194	9,356	2,162	30.1
Agricultural, Forestry, Fishing, and Related Occupations.....	4,930	5,043	113	2.3
Production, Construction, Operating, Maintenance, and Material Handling Occupations.....	14,634	15,761	1,127	7.7

155h





Table 2

NORTHERN REGION  
Aroostook and Washington Counties

40 OCCUPATIONS WITH THE GREATEST NUMBER OF EMPLOYEES  
1988

Occupation	Employment	
	1988	2000
Truck Drivers, Heavy.....	1,294	1,494
General Managers and Top Executives.....	1,236	1,494
Fallers and Buckers.....	1,234	1,085
Cashiers.....	1,166	1,422
Farm Workers.....	977	925
Salespersons, Retail.....	971	1,222
Nursing Aides, Orderlies, and Attendants.....	960	1,539
Farmers.....	953	1,041
General Secretaries.....	907	1,070
Teachers, Elementary School.....	885	975
Bookkeeping and Accounting Clerks.....	884	932
Registered Nurses.....	785	1,148
Janitors and Cleaners, except Maids and Housekeeping Cleaners.....	736	861
Carpenters.....	712	819
Stock Clerks, Sales Floor.....	677	767
Logging Tractor Operators.....	675	551
General Office Clerks.....	662	779
Waiters and Waitresses.....	643	799
Cannery Workers.....	642	717
Teachers, Secondary School.....	499	568
Maintenance Repairers, General Utility.....	492	584
Food Preparation Workers.....	487	604
Automotive Mechanics.....	434	492
Truck Drivers, Light.....	375	470
Gardeners and Groundskeepers.....	356	455
Maids and Housekeeping Cleaners.....	352	489
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations.....	337	396
Licensed Practical Nurses.....	332	471
Sales Representatives, except Scientific and Related Products or Services and Retail.....	329	407
Plumbers, Pipefitters, and Steamfitters.....	312	410
Hand Packers and Packagers.....	312	344
Service Station Attendants.....	293	375
Combined Food Preparation and Service Workers.....	287	339





Table 2 - Continued

NORTHERN REGION  
Aroostook and Washington Counties

40 OCCUPATIONS WITH THE GREATEST NUMBER OF EMPLOYEES  
1988

Occupation	Employment	
	1988	2000
Tellers.....	274	298
Food Service and Lodging Managers.....	270	352
Accountants and Auditors.....	266	320
Child Care Workers.....	254	318
Stock Clerks, Stockroom, Warehouse or Storage Yard.....	254	268
First Line Supervisors and Manager/Supervisors, Production and Operating Workers.....	251	234
Cooks, Institution or Cafeteria.....	251	288

155h





Table 3

NORTHERN REGION  
Aroostook and Washington Counties

39 OCCUPATIONS WITH THE GREATEST NUMBER OF ANNUAL OPENINGS EXPECTED  
BETWEEN 1988 AND 2000

Occupation	Annual Openings		
	Total	Due to Growth	Due to Replacement
Farmers.....	94	7	87
Salespersons, Retail.....	86	21	65
Nursing Aides, Orderlies, and Attendants.....	85	48	37
General Managers and Top Executives.....	72	22	50
Janitors and Cleaners, except Maids and Housekeeping Cleaners.....	71	10	61
Registered Nurses.....	52	30	22
Cashiers.....	49	21	28
Truck Drivers, Heavy.....	48	17	31
Stock Clerks, Sales Floor.....	45	8	37
Bookkeeping and Accounting Clerks.....	43	4	39
General Secretaries.....	39	14	25
Maids and Housekeeping Cleaners.....	38	11	27
Gardeners and Groundskeepers.....	36	8	28
General Office Clerks.....	35	10	25
Carpenters.....	34	9	25
Farm Workers.....	27	-4	31
Teachers, Elementary School.....	27	8	19
Food Preparation Workers.....	26	10	16
Cannery Workers.....	26	6	20
Licensed Practical Nurses.....	25	12	13
Fishers, Hunters, and Trappers.....	24	17	7
Guards and Watch Guards.....	24	5	19
Home Health Aides.....	23	7	16
Maintenance Repairers, General Utility.....	23	8	15
Waiters and Waitresses.....	21	13	8
Fallers and Buckers.....	20	-12	32
Plumbers, Pipefitters, and Steamfitters.....	20	8	12
Sales Representatives, except Scientific and Related Products or Services and Retail.....	20	7	3
Child Care Workers.....	19	5	14
Food Service and Lodging Managers.....	18	7	11
Accountants and Auditors.....	17	5	12
Cleaners and Servants, Private Households.....	17	8	9



Table 3 - Continued

NORTHERN REGION  
Aroostook and Washington Counties

39 OCCUPATIONS WITH THE GREATEST NUMBER OF ANNUAL OPENINGS EXPECTED  
BETWEEN 1988 AND 2000

Occupation	Annual Openings		
	Total	Due to Growth	Due to Replacement
Physicians and Surgeons.....	17	4	13
Truck Drivers, Light.....	16	8	8
First Line Supervisors and Manager/Super- visors, Clerical and Administrative Support Occupations.....	16	5	11
Service Station Attendants.....	16	7	9
Instructors, Nonvocational Education.....	16	4	12
Teachers, Secondary School.....	16	6	10
Automotive Mechanics.....	15	5	10

155h





Table 4

NORTHERN REGION  
Aroostook and Washington Counties

40 OCCUPATIONS WITH THE LARGEST AMOUNT OF GROWTH  
REFLECTING THE GREATEST NUMBER OF NEW JOBS  
1988-2000

Occupation	Number of New Jobs
Nursing Aides, Orderlies, and Attendants.....	579
Registered Nurses.....	363
General Managers and Top Executives.....	258
Cashiers.....	256
Salespersons, Retail.....	251
Fishers, Hunters, and Trappers.....	205
Truck Drivers, Heavy.....	200
General Secretaries.....	163
Waiters and Waitresses.....	156
Licensed Practical Nurses.....	139
Maids and Housekeeping Cleaners.....	137
Janitors and Cleaners, except Maids and Housekeeping Cleaners.....	125
Food Preparation Workers.....	117
General Office Clerks.....	117
Carpenters.....	107
Gardeners and Groundskeepers.....	99
Plumbers, Pipefitters, and Steamfitters.....	98
Truck Drivers, Light.....	95
Maintenance Repairers, General Utility.....	92
Cleaners and Servants, Private Household.....	90
Stock Clerks, Sales Floor.....	90
Teachers, Elementary School.....	90
Farmers.....	88
Home Health Aides.....	84
Food Service and Lodging Managers.....	82
Service Station Attendants.....	82
Sales Representatives, except Scientific and Related Products or Services and Retail.....	78
Cannery Workers.....	75
Teachers, Secondary School.....	69
Child Care Workers.....	64
Guards and Watch Guards.....	61
Receptionists and Information Clerks.....	59
First Line Supervisors and Manager/Supervisors, Clerical and Administrative Support Occupations.....	59





Table 4 - Continued

NORTHERN REGION  
Aroostook and Washington Counties

40 OCCUPATIONS WITH THE LARGEST AMOUNT OF GROWTH  
REFLECTING THE GREATEST NUMBER OF NEW JOBS  
1988-2000

Occupation	Number of New Jobs
Automotive Mechanics.....	58
Accountants and Auditors.....	54
Combined Food Preparation and Service Workers.....	52
Police Patrol Officers.....	50
Heating, Air Conditioning, and Refrigeration Mechanics and Installers.....	49
Physicians and Surgeons.....	49
Bookkeeping and Accounting Clerks.....	48

155h





Table 5

NORTHERN REGION  
Aroostook and Washington Counties

40 FASTEST GROWING OCCUPATIONS, 1988-2000 1/

Occupation	Employment		Percent Increase
	1988	2000	
Fishers, Hunters, and Trappers.....	92	297	222.8
Dental Hygienists.....	34	61	79.4
Dental Assistants.....	36	61	69.4
Medical Assistants.....	43	71	65.1
Physical Therapists.....	40	66	65.0
Paralegal Personnel.....	25	41	64.0
Nursing Aides, Orderlies, and Attendants.....	960	1,539	60.3
Medical Records Technicians.....	25	40	60.0
Medical Secretaries.....	78	124	59.0
Personal and Home Care Aides.....	44	69	56.8
Refuse Collectors.....	49	76	55.1
Farm Managers.....	80	123	53.8
Painting and Coating, Hand.....	21	32	52.4
Chemical Equipment Controllers and Operators.....	16	24	50.0
Sheet Metal Duct Installers.....	14	21	50.0
Social Workers, Medical and Psychiatric.....	91	135	48.4
Drywall Installers.....	15	22	46.7
Roofers.....	26	38	46.2
Registered Nurses.....	785	1,148	46.2
Emergency Medical Technicians.....	72	104	44.4
Home Health Aides.....	191	275	44.0
Housekeepers and Butlers, Private Households.....	16	23	43.8
Helpers, Plumbers, Pipefitters, and Steamfitters.....	33	47	42.4
Medicine and Health Services Managers.....	86	122	41.9
Licensed Practical Nurses.....	332	471	41.9
Physical and Corrective Therapy Assistants and Aides.....	12	17	41.7
Funeral Directors and Morticians.....	12	17	41.7
Human Services Workers.....	92	130	41.3
Correction Officers and Jailers.....	47	66	40.4
Food Servers, Outside.....	57	80	40.4
Cleaners and Servants, Private Households.....	223	313	40.4
Lecturers.....	10	14	40.0
Recreation Workers.....	50	70	40.0
Helpers, Roofers.....	10	14	40.0
Physician Assistants.....	20	28	40.0
Maids and Housekeeping Cleaners.....	352	489	38.9





Table 5 - Continued

NORTHERN REGION  
Aroostook and Washington Counties

40 FASTEST GROWING OCCUPATIONS, 1988-2000 1/

Occupation	Employment		Percent Increase
	1988	2000	
Surgical Technicians.....	18	25	38.9
Upholsterers.....	13	18	38.5
Dietitians and Nutritionists.....	29	40	37.9
Boilermakers.....	16	22	37.5

1/ Among the occupations which employed at least 10 in 1988.

155h





Table 6

NORTHERN REGION  
Aroostook and Washington Counties

17 OCCUPATIONS WHICH ARE LOSING THE MOST JOBS  
1988-2000

Occupation	Employment		Jobs Lost
	1988	2000	
Fallers and Buckers.....	1,234	1,085	-149
Logging Tractor Operators.....	675	551	-124
Electrical and Electronic Assemblers.....	101	30	-71
Industrial Truck and Tractor Operators.....	228	168	-60
Shoe Sewing Machine Operators.....	62	6	-56
Farm Workers.....	977	925	-52
Shoe and Leather Workers.....	26	0	-26
Sewers, Hand.....	25	0	-25
Sewing Machine Operators, Garment.....	226	203	-23
Precision Inspectors, Testers, and Graders.....	211	189	-22
First Line Supervisors and Manager/Supervisors, Production and Operating Workers.....	251	234	-17
Cementing and Gluing Machine Operators and Tenders.....	24	9	-15
Data Entry Keyers, except Composing.....	85	70	-15
Precision Inspectors, Testers, and Graders.....	64	50	-14
Sawing Machine Operators and Tenders.....	203	191	-12
Tool and Die Makers.....	30	18	-12
Log Graders and Scalers.....	75	63	-12

155h





Table 7  
NORTHERN REGION  
Aroostook and Washington Counties  
15 FASTEST DECLINING OCCUPATIONS  
1988-2000 1/

Occupation	Employment		Percent Decline
	1988	2000	
Shoe and Leather Workers.....	26	0	-100.0
Sewers, Hand.....	25	0	-100.0
Shoe Sewing Machine Operators.....	62	6	-80.6
Electrical and Electronic Assemblers.....	101	30	-70.3
Cementing and Gluing Machine Operators and Tenders.....	24	9	-62.5
Solderers and Blazers.....	15	6	-60.0
Electrolytic Plating and Coating Machine Setters and Set-up Operators, Metal and Plastic.....	12	5	-58.3
Drilling and Boring Machine Tool Setters and Set-up Operators, Metal and Plastic.....	12	7	-41.7
Tool and Die Makers.....	30	18	-40.0
Lathe and Turning Machine Tool Setters and Set-up Operators, Metal and Plastic.....	22	14	-36.4
Machinery Maintenance Mechanics, Sewing Machines..	14	9	-35.7
Cutting and Slicing Machine Operators and Tenders.	34	24	-29.4
Choke Setters.....	34	25	-26.5
Industrial Truck and Tractor Operators.....	228	168	-26.3
Milling and Planing Machine Setters and Set-up Operators, Metal and Plastic.....	13	10	-23.1

1/ Among the occupations which employed at least 10 in 1988.

155h





Table 8

NORTHERN REGION  
Aroostook and Washington Counties

TOTAL EMPLOYMENT BY MAJOR INDUSTRY LEVEL 1/  
BASE YEAR 1988 AND PROJECTED YEAR 2000

Industry Division	Employment		Numerical Change	Percent Change
	1988	2000		
Total All Industries.....	48,061	55,420	7,359	15.3
Agriculture, Forestry, and Fishing.	1,430	1,717	289	20.1
Mining.....	3	7	4	133.3
Construction.....	1,979	2,384	405	20.5
Manufacturing, Durable Goods.....	4,207	3,494	-713	-16.9
Manufacturing, Nondurable Goods....	4,845	4,693	-152	-3.1
Transportation.....	1,841	2,227	386	21.0
Communications and Utilities.....	610	710	100	16.4
Wholesale Trade.....	1,610	1,987	377	23.4
Retail Trade.....	7,454	8,854	1,400	18.8
Finance, Insurance, and Real Estate.....	1,343	1,558	215	16.0
Services <u>2</u> /.....	18,977	23,611	4,634	24.4
Government <u>3</u> /.....	3,762	4,178	416	11.1

1/ Industry classification is based on the 1972 Standard Industrial Classification Manual with 1977 update.

2/ Includes public education and state and local government owned hospitals. Also includes private household workers, and the self-employed and unpaid family workers.

3/ Excludes public education and state and local government owned hospitals which are included in Services.

155h





Table 9

NORTHERN REGION  
Aroostook and Washington Counties

12 INDUSTRIES WITH THE GREATEST NUMBER OF NEW JOBS  
EXPECTED BETWEEN 1988-2000

SIC	Industry Title	Employment		Absolute Change
		1988	2000	
80	Health Services.....	4,397	6,425	2,028
	Private Households, Self-employed, and			
88	Unpaid Family Workers.....	6,713	7,678	965
58	Eating and Drinking Places.....	1,962	2,406	444
82	Educational Services.....	4,342	4,780	438
73	Business Services.....	795	1,192	397
83	Social Services.....	1,006	1,394	388
93	Local Government <u>1/</u> .....	1,643	1,986	343
17	Special Trade Contractors.....	797	1,125	328
54	Food Stores, Retail.....	1,635	1,934	299
01-09	Agriculture, Forestry, and Fishing.....	1,430	1,717	287
42	Trucking and Warehousing.....	946	1,195	249
51	Wholesale Trade of Nondurable Goods.....	999	1,229	230

1/ Excludes hospitals and schools operated by local government.

155h





Table 10  
NORTHERN REGION  
Aroostook and Washington Counties  
12 FASTEST GROWING INDUSTRIES  
1988-2000 1/

SIC	Industry Title	Employment		Percent Increase
		1988	2000	
39	Miscellaneous Manufacturing Industries <u>2/</u> .	70	126	80.0
73	Business Services.....	795	1,192	49.9
44	Water Transportation.....	73	109	49.3
80	Health Services.....	4,397	6,425	46.1
76	Miscellaneous Repair Services <u>3/</u> .....	67	95	41.8
17	Special Trade Contractors.....	797	1,125	41.2
83	Social Services.....	1,006	1,394	38.6
62	Security, Commodity Brokers, and Services.	41	56	36.6
79	Amusement and Recreation Services, except Motion Pictures.....	92	125	35.9
26	Printing and Publishing.....	148	201	35.8
41	Local and Interurban Passenger Transit....	101	137	35.6
72	Personal Services.....	147	196	33.3

1/ Among the industries which employed at least 25 in 1988.

2/ Includes manufacturing of toys and sporting goods and miscellaneous fabricated products such as Christmas wreaths, candies, umbrellas, and combs.

3/ Includes electrical repair shops, reupholstery and furniture repair, welding repair, bicycle, camera, and musical instrument repair, and locksmith shops.

155h



Table 11

NORTHERN REGION  
Aroostook and Washington Counties

5 INDUSTRIES WHICH ARE LOSING THE MOST JOBS  
1988-2000

SIC	Industry Title	Employment		Jobs Lost
		1988	2000	
24	Lumber and Wood Products.....	3,144	2,728	-416
36	Electric and Electronic Machinery and Equipment.....	659	293	-366
31	Leather and Leather Products.....	262	5	-257
26	Paper and Allied Products.....	1,712	1,536	-176
23	Apparel and Other Textile Products.....	321	264	-57

155h



Table 12  
NORTHERN REGION  
Aroostook and Washington Counties  
5 MOST RAPIDLY DECLINING INDUSTRIES  
1988-2000

SIC	Industry Title	Employment		Percent Decline
		1988	2000	
31	Leather and Leather Products.....	262	5	-98.1
36	Electric and Electronic Machinery and Equipment.....	659	293	-55.5
23	Apparel and Other Textile Products.....	321	264	-17.8
24	Lumber and Wood Products.....	3,144	2,728	-13.2
26	Paper and Allied Products.....	1,712	1,536	-10.3

155h





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